



PREVENTION OF SIGNIFICANT DETERIORATION PERMIT

Issued To:	BP Cherry Point Refinery
Facility Location:	4519 Grandview Road Blaine, Washington 98230
Permit Number:	PSD No. 95-01, Amendment 2
Date of Permit Issuance:	Preliminary Determination
Effective Date of Permit:	

This approval is issued pursuant to the regulations for the Prevention of Significant Deterioration (PSD) set forth in the Washington Administrative Code 173-400-700. Based upon the application and fees submitted by the BP Cherry Point Refinery (BP) with the fees received on September 13, 2021, the technical analysis performed by the Department of Ecology (Ecology), Ecology now finds the following:

PREPARED BY:

MengChiu Lim, P.E.
Science and Engineering Section
Air Quality Program

Date

APPROVED BY:

Robert Dengel
Deputy Air Quality Program Manager
Washington Department of Ecology

Date

Project Description

BP owns and operates the BP Cherry Point Refinery, which is located in the City of Blaine in Whatcom County, Washington.

BP applied for an amendment of their PSD permit to:

- Correct a typographical error.
- Express the concentration limit in dry standard condition.
- Change the testing frequency for sulfuric acid mist emission.

This PSD No. 95-01, Amendment 2 revises the PSD No. 95-01, Amendment 1 issued January 20, 2009. The original PSD No. 95-01 was issued March 15, 1995, for the emission unit described below.

- Calciner Hearth 3

Approval Conditions

1. Emissions of sulfuric acid mist (H_2SO_4) shall not exceed any of the following emission limits:
 - a. 18.3 pounds per hour (lb/hr), 60-minute rolling average, and
 - b. 50 milligram per dry standard cubic meter (mg/dscm) at seven percent oxygen, 60-minute rolling average.
2. Compliance with Approval Condition 1 will be measured by monitoring the performance of the Wet Electrostatic Precipitator (WESP) plus source testing as required by Approval Condition 3. BP shall follow the requirements of the monitoring plan approved by Ecology on May 2, 2007, or as amended. The monitoring plan may be amended by advance written approval from Ecology.
3. BP shall determine compliance with the H_2SO_4 emissions limits using EPA Method 8, EPA Conditional Test Method 013, or an alternate test method if approved in writing, in advance by Ecology or NWCAA. BP shall perform source testing for Calciner Hearth 3 within 25 months of the previous source test date.

BP shall submit a source test plan to NWCAA for approval prior to testing. The source test plan shall include operating ranges for the WESP, and will define operating conditions for testing the stack for compliance. The source test plan shall also include testing the stack for compliance while the WESP is operating in the most limiting condition in the WESP monitoring plan.
4. Any activity, which is undertaken by the company or others, in a manner, which is inconsistent with the application and this determination, shall be subject to enforcement under the applicable regulations.
5. Access to the source by the Environmental Protection Agency, state or local regulatory personnel shall be permitted upon request for the purposes of compliance assurance inspections. Failure to allow such access is grounds for revocation of this determination of approval.
6. This permit supersedes PSD No. 95-01, Amendment 1.